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Title: METHOD FOR DETERMINING THE PROPLER PARAMETER SETTING

Search criteria:

An International Novelty Search was conducted in respect of a semantic web-based system which provides parameter setting recommendations to medical modalities. The system collects information about the procedure and about the patient using DICOM and HL7 respectively. Clinical guidelines are retrieved using a methods ontology, and a domain ontology is used to provide semantic mapping between the guidelines ontology and the DICOM and HL7 data. The system also retrieves information on the modality configuration and calibration. An inference engine is used to derive recommendations for the parameters based on all of these inputs

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| Very Relevant Documents (* indicates a Philips patent/application) | relevant to criteria |
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DE 19904090 (1) abstract
WO 0143823 (2) abstract; figs 7A and 7B; p.28 line 10 – p.30 line 6

1. Network-based system which automatically adjusts the parameters of a medical device using data collected at a controlling computer.
2. Web-based system for modifying the parameters and settings of medical devices using prescriptive data.

Technical Background (* indicates a Philips patent/application)

relevant to criteria

US 5349625 (3) abstract; fig 2; col 2 line 64 – col 3 line 22
US 5781442 (4) abstract; fig 1; col 4 line 24 – col 6 line 13
US 6335979 (3) abstract
US 6418334 (5) abstract

3. Medical device comprising a control unit for determining optimal parameter settings based on collected information.

4. Network system for providing automatic administration of care at a medical device.

5. Apparatus for dynamically configuring the analysis parameters for a medical device.